

An aerial photograph of a large-scale construction project for a water treatment facility. The site is characterized by reddish-brown soil. In the center, there is a large rectangular concrete structure, likely a filtration tank, with internal scaffolding and equipment. To the left of this structure is a long, low building with a brown roof and a section with a blue roof. Further left is a parking lot with several vehicles. To the right of the main structure are two large, cylindrical blue storage tanks. The background shows a green field with a grid of white lines, possibly a sports field or a planned area. The text "PERMITTING FOR DRINKING WATER SYSTEMS" is overlaid in large, bold, yellow capital letters across the center of the image.

PERMITTING FOR DRINKING WATER SYSTEMS

DRINKING WATER BRANCH
DIVISION OF WATER

3-22-2004

PERMITTING IS A NEW APPROACH FOR THE DRINKING WATER PROGRAM

- IN THE PAST THE PROGRAM HAS FUNCTIONED ON AN APPROVAL BASIS ISSUING APPROVAL LETTERS FOR CONSTRUCTION PROJECTS.
- DRINKING WATER IS EXPLORING WAYS TO CHANGE ITS BUSINESS PROCESSES BY GOING TO AN ELECTRONIC DATA MANAGEMENT SYSTEM ISSUING MORE FORMAL APPROVAL DOCUMENTS (I.E., PERMITS) FOR CONSTRUCTION OF DRINKING WATER FACILITIES AND IMPLEMENTING ELECTRONIC TRACKING OF SELECTED MONTHLY OPERATING REPORT DATA.

HOW DID WE GET TO THIS POINT ?



EMPOWER

GOVERNOR'S INITIATIVE TO MAKE STATE
GOVERNMENT MORE EFFICIENT AND
EFFECTIVE BY STREAMLINING HOW
SERVICES ARE DELIVERED TO KENTUCKY
TAXPAYERS.

EMPOWER BEGAN IN 1996 WHEN SELECTED
STATE AGENCIES BEGAN STUDYING WAYS TO
IMPROVE CUSTOMER SERVICE.

EPPC EMPOWER INITIATIVES

- UPGRADE OF EPPC COMPUTER NETWORK INFRASTRUCTURE
- IMPROVING EFFICIENCY AND CUSTOMER SERVICE
- IMPROVEMENTS IN PROCESSING ENVIRONMENTAL PERMIT NOTIFICATIONS AND COMPLAINTS
- THE KENTUCKY FACILITY INDEX

TEMPO

TOOLS FOR ENVIRONMENTAL PROTECTION ORGANIZATIONS

THE DEPARTMENT FOR ENVIRONMENTAL PROTECTION AFTER EVALUATING VARIOUS OPTIONS SELECTED A SHARED DATA BASE CALLED TEMPO TO INTEGRATE ENVIRONMENTAL DATA MANAGEMENT FUNCTIONS ACROSS ITS PROGRAMS



FOR EXAMPLE...

- manage electronic documents and files
- receive and process applications for permits (air, water, waste)
- issue, modify, and renew permits
- manage requirements placed on regulated entities for compliance, inspections and enforcement
- record and track violations, generate enforcement actions, assess fees
- receive, document, and track complaints and incidents

WHAT DOES THIS MEAN FOR THE DRINKING WATER PROGRAM ?

- ABILITY TO MANAGE THE WATER SYSTEM INVENTORY ELECTRONICALLY
- REDUCE THE TIME INVOLVED FOR FILE REVIEWS
- PROVIDE EASIER ACCESS TO:
 - STATUS REPORTS
 - SCOPE OF PROJECTS
 - DEFICIENCIES
 - PERMIT CONDITIONS
 - ENFORCEMENT ACTIVITIES
 - MONITORING DATA

WHAT DOES THIS MEAN FOR THE DRINKING WATER PROGRAM ? (continued)

- ALLOW FOR FUTURE ELECTRONIC SUBMITTAL OF MONTHLY OPERATING REPORT DATA AND PLAN REVIEW AND OTHER CORRESPONDENCE
- WILL HELP TO PROVIDE MORE CONSISTENCY IN REVIEWS
- CONSTRUCTION APPROVALS WILL HAVE A NEW LOOK
- MOR DATA WILL BE ENTERED AND TRACKED IN TEMPO

DRINKING WATER IMPLEMENTATION OF TEMPO

- SINCE THE BEGINNING OF 2004 REVIEWS AND APPROVALS OF DISTRIBUTION CONSTRUCTION PROJECTS HAVE BEEN DONE USING TEMPO.
- MOST DOCUMENTS COMING INTO THE BRANCH ARE BEING SCANNED AND LOADED INTO TEMPO
- CURRENTLY ARE WORKING ON IMPLEMENTING REVIEW AND APPROVAL OF TREATMENT PROJECTS USING TEMPO.

DRINKING WATER IMPLEMENTATION OF TEMPO (continued)

- ARE CURRENTLY TESTING THE MONTHLY OPERATING REPORT FUNCTIONS IN TEMPO.
- ARE SCHEDULED TO HAVE TEMPO FULLY IMPLEMENTED FOR DRINKING WATER BY THE END OF 2004.

PERMITS

CONSTRUCTION PERMITS

- IN THE PAST WHEN A PROJECT WAS APPROVED AN APPROVAL LETTER WAS ISSUED APPROVING THE SCOPE OF THE PROJECT AND ADDRESSING APPROVAL CONDITIONS AND OPERATING LIMITATIONS.
- UNDER TEMPO A COVER LETTER IDENTIFYING THE SCOPE OF THE PROJECT WILL BE SENT OUT WITH A PERMIT DOCUMENT ATTACHED. THE PERMIT DOCUMENT WILL CONTAIN THE APPROVAL CONDITIONS AND OPERATING LIMITATIONS.

PERMITS (continued)

CONSTRUCTION PERMITS

- CONSTRUCTION PERMITS WILL EXPIRE AFTER ONE (1) YEAR FROM ISSUANCE UNLESS CONSTRUCTION IS STARTED WITHIN THE ONE (1) YEAR TIME PERIOD. THE PERMITS WILL BE RENEWABLE UNLESS CHANGES TO THE SCOPE OF THE PROJECT REQUIRE A NEW REVIEW.

WHAT TYPE OF SUBMITTALS WILL BE REQUIRED?

CONSTRUCTION PERMITS

- PLANS AND SPECIFICATIONS
- UTILITY LETTERS
- HYDRAULIC CALCULATIONS
- DESIGN CALCULATIONS
- SPECIFICATIONS
- CHEMICAL ANALYSES (IF APPLICABLE)
- APPLICATION FORMS
- OTHER CORRESPONDENCE RELATING TO THE PROJECT



WHAT TYPE OF SUBMITTALS WILL BE REQUIRED ? (continued)

IMPEMENTATION OF TEMPO MONTHLY OPERERATING REPORTS

- WATER SYSTEM SURVEYS*

*THE INFORMATION COLLECTED FROM THESE
FORMS WILL BE:

- EXISTING TREATMENT PLANT
INFORMATION INCLUDING UNIT DESIGN,
SIZES, CAPACITIES, INTAKE LOCATIONS...



WHAT TYPE OF SUBMITTALS WILL BE REQUIRED ? (continued)

IMPEMENTATION OF TEMPO MONTHLY OPERERATING REPORTS

- DISTRIBUTION SYSTEM INFORMATION INCLUDING TANK CAPACITIES, PUMP STATION DESIGN, BOOSTER DISINFECTION, LOCATIONAL INFORMATION...
- NUMBERS OF CUSTOMERS, SERVICE CONNECTIONS

*THE INFORMATION COLLECTED ABOVE WILL BE USED ALONG WITH INFORMATION OBTAINED FROM FILE REVIEWS, INSPECTION REPORTS, AND TECHNICAL ASSISTANCE VISITS AND REPORTS TO HELP BUILD THE INITIAL INVENTORY RECORD.

HOW WILL THIS DATA BE USED TO DEVELOP PERMITS?

CONSTRUCTION PERMITS

- SUBMITTAL INFORMATION WILL BE SCANNED AND LOADED INTO TEMPO.
- DATA SUBMITTED WILL BE REVIEWED AND EVALUATED USING ADMINISTRATIVE AND TECHNICAL REVIEW CHECKLISTS BUILT INTO TEMPO
- ONCE THE INFORMATION ABOUT ALL SUBJECT ITEMS HAS BEEN ENTERED, REQUIREMENT PROFILES ARE THEN SET FOR EACH ITEM AND FOR EACH GROUPING OF ITEMS.

HOW WILL THIS DATA BE USED TO DEVELOP PERMITS?

- PERMITS WILL BE BUILT USING STANDARD REQUIREMENTS FROM THE REQUIREMENTS LIBRARY FOR THE SPECIFIC SUBJECT ITEMS
- ONCE CONSTRUCTION OF A PROJECT IS COMPLETED AND THE CONSTRUCTION CERTIFICATION IS RECEIVED, THE INVENTORY FOR THE WATER SYSTEM IS UPDATED TO INCLUDE THE NEW ITEMS.

HOW WILL THIS DATA BE USED TO DEVELOP TEMPO MONTHLY OPERATING REPORTS?

- SURVEY FORMS WILL BE SCANNED INTO TEMPO.
- INFORMATION FROM THE SURVEY FORMS WILL BE ENTERED INTO TEMPO TO BUILD THE SYSTEM INVENTORY.
- OPERATIONAL LIMITS WILL BE SET AND THE MOR FORMS WILL BE CREATED.

NOTE: IT IS VERY IMPORTANT THAT ACCURATE INFORMATION IS PROVIDED ON THE WATER SYSTEM SURVEYS AND IN RESPONSE TO CONTACTS FOR ADDITIONAL INFORMATION. DESIGN CAPACITIES AND LOADINGS WILL BE USED BY TEMPO TO DO COMPLIANCE CHECKS ON MONTHLY OPERATING REPORT DATA. IF INCORRECT DATA IS USED, POTENTIAL VIOLATIONS COULD BE GENERATED BY TEMPO FOR EXCEEDING PLANT CAPACITY AND FILTER LOADINGS.

WHAT WILL THE PERMITS LOOK LIKE ?

THE PERMITS WILL HAVE VARIOUS TYPES OF REQUIREMENTS

- TEXT REQUIREMENTS
- SUBMITTAL ACTION REQUIREMENTS
- MONITORING REQUIREMENTS
- LIMITATION REQUIREMENTS

THE PERMITS REQUIREMENTS LIBRARY IS BUILT FROM THE REQUIREMENTS GIVEN IN THE DRINKING WATER REGULATIONS, THE RECOMMENDED STANDARDS FOR WATER WORKS (AKA TEN STATE STANDARDS) AND THE GENERAL DESIGN CRITERIA FOR SURFACE AND GROUNDWATER SUPPLIES.

CONSTRUCTION PERMIT EXAMPLE

Distribution-Water Line Extension

Facility Requirements

Activity ID No.: APE20040002

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GACT2

70 feet of 8-inch of DI water line extension.:

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Coliform	The presence or absence of total Coliform monitored by sampling and analysis as needed shall be determined for the new or relocated water line(s). Take samples at connection points to existing lines, at 1 mile intervals, and at dead ends without omitting any branch of the new or relocated water line. Sample bottles shall be clearly identified as "special" construction tests. [401 KAR 8:100 Section 1(7), 401 KAR 8:150 Section 4, Recommended Standards for Water Works 8.5.6] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.

Submittal/Action Requirements:

Coliform:

Condition No.	Condition
S-1	Coliform For new construction projects, the distribution system, using the most expedient method, shall submit Coliform test results to the Cabinet: Due immediately following disinfection and flushing. [401 KAR 8:150 Section 4(2)]

Condition No.	Condition
S-2	For proposed changes to the approved plan, submit information: Due prior to any modification to the Cabinet for approval. Changes to the approved plan shall not be implemented without the prior written approval of the Cabinet. [401 KAR 8:100 Section 1(8)]

MONTHLY OPERATING REPORT SHELL

Kentucky Department for Environmental Protection

MONITORING RESULTS SUBMITTAL FORM

MONITORING PERIOD: 1/1/2004 - 1/31/2004

SUBJECT ITEM: GTRT1 -
SUBJECT ITEM GROUP: N/A

PERMITTEE NAME AND ADDRESS:

LOCATION OF ACTIVITY:

MONITORING RESULTS COMMENTS: _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See 18 U.S.C. § 1319.

(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT

AREA CODE / TELEPHONE NUMBER

DATE (MONTH / DAY / YEAR)

MONTHLY OPERATING REPORT SHELL

(continued)

Monthly Operating Report Form		Preprint ID: 13495
Agency Interest:	Subject Item:	Monitoring Period:
	GTRT0000000001 -	1/1/2004 to 1/31/2004

Day	Result	Hours
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Licensed Operators:

Purchaser Information:		Seller Information:	
PWS ID	Total Amount	PWS ID	Total Amount

A photograph of a construction site in winter. A large orange Hitachi EX270LC excavator is the central focus, positioned on a muddy and snow-covered ground. To the left, a concrete retaining wall and a residential building are visible. To the right, several construction workers wearing hard hats and work clothes are standing near a wooden structure, possibly a trench or foundation. The background shows bare trees and a cloudy sky. The text "PERMITTING FOR DRINKING WATER SYSTEMS" is overlaid in large, bold, yellow capital letters across the upper half of the image.

PERMITTING FOR DRINKING WATER SYSTEMS

THE END

QUESTIONS ?